

### **Abstract**

An x-ray generator comprising a vessel 1 in which a low pressure gas atmosphere is maintained, hemimorphic crystal supporting means 3a and 3b provided in the vessel, at least a pair of hemimorphic crystals 5a and 5b arranged oppositely at an interval and supported by the hemimorphic crystal supporting means in the vessel, and means 3a, 3b; 6b to 8a and 8b for elevating and lowering the temperature of the hemimorphic crystals. X-rays are radiated from the vessel as the temperature of the hemimorphic crystals is elevated or lowered.